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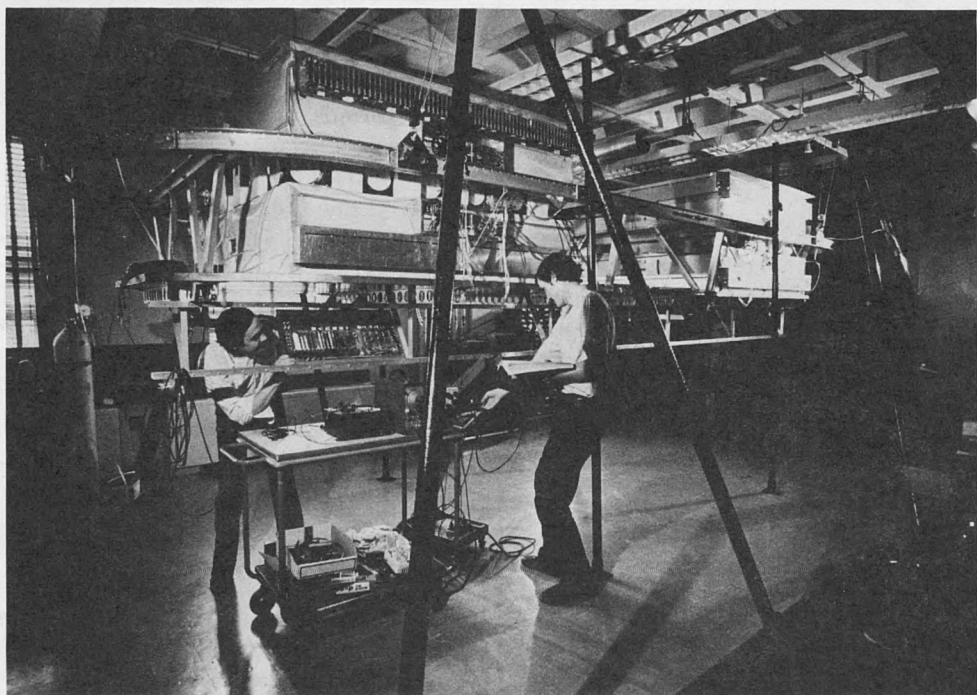
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WU Record

Published for the Washington University Community

June 5, 1975



In September the WU McDonnell Center for the Space Sciences will launch a cosmic ray detection system, being checked in photo by space engineer John Epstein, left, and graduate student Pat Love. It will be the largest electronic system, in terms of area, ever flown in a high-altitude balloon flight; the 7 by 22 foot payload will be sent to a height of about 25 miles. Its maze of detectors was designed and built at WU.

(Photo by Richard N. Levine)

Virgil Resigns as WU Vice Chancellor; Smith, Others, Receive New Appointments

Robert L. Virgil, Jr., has resigned as WU Vice Chancellor in order to return to more strictly academic work. This fall, he will accept a visiting professorship in accounting at Dartmouth College's Amos Tuck School of Business Administration, Chancellor William H. Danforth announced today.

"Bob Virgil has done a superb job as Vice Chancellor and I am very grateful to him for his many contributions to Washington University," Danforth said. "I deeply regret his decision to leave administrative work, but I respect his reasons for doing so." Danforth said that a reevaluation of the administrative structure of the vice chancellor's position would be carried out in view of the job's "extremely varied and heavy workload." He also announced several administrative changes, including the promotion of Paul Smith, Assistant Vice Chancellor for Campus Affairs, to Asso-

ciate Vice Chancellor for Student Affairs.

Smith will assume part of the workload carried by Virgil and will continue to have the responsibility for campus programming, food service, housing operations and residential life.

Virgil said that his decision to leave university administration "has nothing to do with the performance of the general area for which I've been responsible. I couldn't have asked for more in terms of support and cooperation from my staff and from other members of the administration. My reasons for leaving are strictly personal. In order to exercise the responsibility of being vice chancellor in a way that would meet my own personal standards, I have had to devote literally all of my energy. In return, unfortunately, I have not found commensurate personal satisfac-

(Continued on page 2)

Mandelstam Named Biology Chairman; Moog Interim Head

Joel Mandelstam, Iveagh Professor of Microbiology at Oxford University, England, since 1966, has been named professor of biology and chairman of the WU Department of Biology effective September, 1976. He is internationally known for his biochemical studies which have clarified how bacteria form spores.

The present Biology Department chairman, Johns W. Hopkins, asked to be relieved of administrative duties in order to devote more time to research. He will begin a year's leave of absence for that purpose on July 1. Florence Moog, Charles Rebstock Professor of Biology, will be department chairperson during the interim.

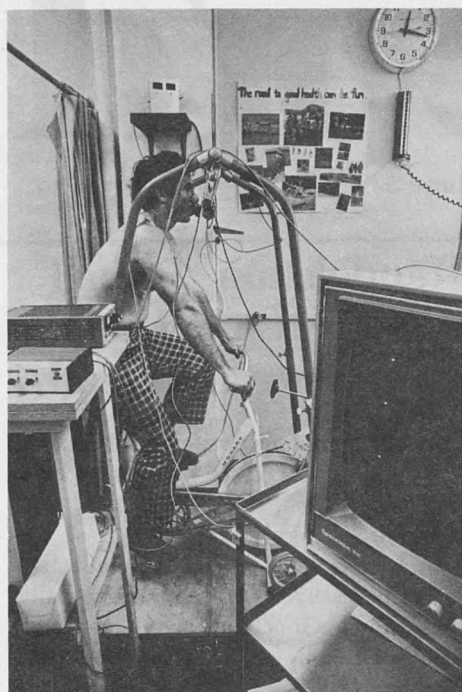
Mandelstam is regarded by many scientists as the world's leading authority on bacterial sporulation. His analysis of the genetic and biochemical steps in spore formation may prove to be a model in developmental biology.

A native of South Africa, he is a graduate of Witwatersrand University, Johannesburg. He was a Fulbright Scholar at Harvard University and the University of Wisconsin in 1958-59. He received his Ph.D. degree from the University of London. From 1952-1966 he served with the microbiology division of Great Britain's National Institute for Medical Research. Elected to the Royal Society in 1971, he serves on the Agricultural Research Council of the United Kingdom as well as a number of other scientific organizations.

Moog, a member of the WU faculty for the past 30 years, has done research on enzymes which has led to a better understanding of the intestine and its functions. Hopkins, professor of biology and department chairman since 1966, has done research on nucleic acid metabolism and the physiology of the cell nucleus.

This is the last issue of *The Record* to be published this academic year. We will resume our weekly papers Sept. 4.

Exercise an Integral Part of Coronary Rehabilitation Program at Medical School



While Terry Hammons, a healthy fourth-year medical student, exercises at a fixed percentage of his maximum oxygen uptake, his heart rate is simultaneously monitored.

(Photo by Richard N. Levine)

By Sharon Murphy
(WU Medical School Newswriter)

A new coronary rehabilitation program will begin this summer with the opening of an indoor track at the WU School of Medicine.

The track, which is $\frac{1}{2}$ -mile in length and four lanes wide, is on the fifth level of the Irene Walter Johnson Institute of Rehabilitation. It will be used for jogging programs, primarily for persons with heart disease.

Dr. Jon D. Cooksey, assistant professor of medicine and of preventive medicine, and associate medical director of the Institute, will direct these programs.

"Like many forms of heart therapy, exercise has not been well documented," Cooksey said. "But enough studies have been done for us to know that exercise is beneficial for patients with heart disease. It seems evident that those who exercise have fewer heart attacks and less muscle damage."

Interested persons will be given an examination to determine if they are physically capable of exercising. Eligible participants will be put on individual exercise programs, according to their abilities.

Although jogging will be the principal exercise, calisthenics and bicycling may be included. The object will be for the person to build-up physical endurance

and strengthen the heart and vascular system.

Pulse, blood pressure and oxygen intake will be measured periodically while the participant bicycles in place. As performance increases, the patient will be put on a harder program.

Cooksey said they also will test the effectiveness of the exercise programs by measuring the incidence of chest pain, the heart beat rate and blood pressure of the patient. (Interested persons may call the Cardiac Rehabilitation Unit at 454-2051 for additional information.)

The new track also will be used during studies on how exercise affects healthy persons. These programs begin about every 12 weeks. Participants are using Francis Field while awaiting completion of the indoor track.

"These studies will look at oxygen consumption (amount of oxygen used per minute)," Cooksey said. "Also echocardiograms, which are high frequency sound waves that are reflected from the heart structure, will be used to determine the size of the heart and how well it contracts before and after exercise training."

Virgil

(Continued from page 1)

tion. In addition, I have missed teaching and my academic field. It was very tempting to return to our own Business School where my close associations have meant so much. But I think that it is best for me to be away from the campus for awhile in order to reflect about my future. The opportunity to join the Amos Tuck School affords me an excellent chance to do just that."

Danforth said he felt that there should be a restructuring of the responsibilities associated with Virgil's office. Currently reporting directly or indirectly to the vice chancellor are the campus programming office, housing, food service, campus health service, international office, athletics, student counseling service, and the campus stores which include a large retail bookstore in Mallinckrodt Center.

Smith's new appointment will cover one phase of the vice chancellor's responsibilities, Danforth said. In other administrative changes, San Hla, business manager for housing and residential life, food service and campus programming, becomes business manager for student affairs. He will be given additional financial responsibilities and his office will be moved

Shaw's Garden Director Named Engelmann Professor of Botany

Peter H. Raven, director of the Missouri Botanical Garden and professor of biology at Washington University, has been named George Engelmann Professor of Botany at the school.

With this appointment, Raven becomes only the fourth botanist to be so honored since the Engelmann chair was established at Washington University in 1885. Previous Engelmann professors, all of whom were or became directors of the Missouri Botanical Garden, and their periods of tenure as Engelmann Professor include: William Trelease (1885-1909); George T. Moore (1909-1937); and Edgar Anderson (1937-1966).

Raven, who came to St. Louis in 1971 to assume his present duties, is a scientist of international renown, who recently was elected president of the Botanical Society of America. He served on the steering committee of the First International Congress of Systematic and Evolutionary Biology which was held in 1973.

The recipient of numerous honors, he won the 1970 A.P. De Candolle Prize for his paper on the genus of plants known as *Camissonia*. A member of the Stanford University faculty from 1962-71, he served as a National Science Foundation Postdoctoral Fellow at the British Museum of Natural History in London from 1960-61. During 1969-70, he was a John Simon Guggenheim Memorial Fellow.

Raven recently was invited to lecture in Israel and Sweden, and will attend the Botanical Congress in Leningrad this summer.

Engelmann, a former WU professor, physician, botanist and meteorologist, was the man who served as advisor to Henry Shaw when he set about to create what is now known as "Shaw's Garden." As Shaw's emissary in 1857, Engelmann purchased the Bernhardt herbarium in Erfurth, Germany, a 40,000-species collection which formed the nucleus of the present-day herbarium at the Missouri Botanical Garden, one of the most important in the world. Through the efforts of these two men, the Missouri Botanical Garden was founded in 1859.

from the South Forty area to the Mallinckrodt Center. George Burris, director of the food service, becomes director of the food service and housing operations. Donna Taylor will continue to be in charge of the office of residential life, and Richard Neil will continue to head the office of campus programming.

Thirty-Six Non-Academic Employees Retire During 1974-75 Academic Year

By Janet Kelley

What would it be like to have worked at Washington University for 20, 30 or 40 or more years? Although many younger persons think that staying in one job for such lengths of time in any place is unexciting, a number of the WU non-academic staff who are retiring this year feel strongly about their contributions and fulfillment as long-time WU employees.

Irene Thiel, who retired October 31 from her position as dental clinic receptionist at the Dental School after forty-four years of service at WU, said, "working at the University spoils you. Once you've worked here, you can't go anywhere else. You may be able to make more money elsewhere, but you can't find people as nice as the people at WU."

Thiel, a native of Irving, Ill., who moved to St. Louis at the age of 19 in 1925, was first employed by the University in 1930 in the treasurer's office on the main campus. In 1937, she became the cashier of the Dental School, a position she occupied until 1966 when she became dental clinic receptionist. It was this last position she enjoyed most.

"Dealing with people rather than facts and figures was much more interesting to me," Thiel said. "Everyday I would meet someone new. Everyday I came home a wiser person because of what someone would say."

It wasn't always easy helping patients who were sometimes in pain and impatient. Thiel said that two tricks aided her on such occasions. One was to have the patient sit down for 15-20 minutes to cool off. The other was to smile.

Since her retirement, Thiel spends her time reading and going places with friends. She misses the people at the Dental School, whom she describes as "one big happy family," but she is enjoying her free time to do things she never had time to do while working.

For James W. Boyle, former machinist and shop superintendent of the Physics Department who put in 28 years at WU, "working at the University was very fine. The people are very dedicated and just the greatest."

Describing his position as a kind of jack of all trades job, Boyle said he designed everything from bookshelves to a part for the Apollo 17 spacecraft. Although his design of the part—a holder for instruments for a cosmic ray and solar wind experiment—was modified before reaching its final stage, Boyle says the opportunity was the high

point of his career at WU. "To realize that I helped to make something that went to the moon, gives me a big thrill. It's something that really sticks in my mind."

Retirement for Boyle, who left the University December 31, means pursuing two long-time interests, golf and music. Everyday in the basement of his home, he practices his golf swing and plays on the golf course several times a week. He reported that at his last game he made a score of 35, two over par. Several hours of each day are also devoted to practicing the piano and the accordion, instruments Boyle has been playing since he was 9 or 10 years old. That he plays them well is evidenced by his recent playing engagements at such spots at the Top of the Sevens, Grant's Cabin, and Stouffer's restaurants.

Previous to her 24 years as assistant librarian of the Social Work Library, Dorothy B. Koeneman spent 25 years working at one of St. Louis's public libraries and two other years working in a private doctor's library.

For her, working at the University has meant getting to know the students. "You worry with them when they are having exams. Then, after they have finished their degrees, they come back to see you and bring their babies with them. It's very gratifying."

Although Koeneman's retirement plans center around taking it easy and visiting her son and five grandchildren in Iowa, the library staff is trying to convince her to work part time for them. Head librarian Mary Hutton says, "We simply couldn't run this library without her."

A total of 36 staff members will retire this year. They will be honored at a reception-luncheon June 26 at Wohl

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James Boyle

Committee Issues Guides for Student Events on Campus

A committee charged with seeking guidelines for scheduling student social events on campus has issued a report to Vice Chancellor Robert L. Virgil.

The 12-member student-faculty-staff committee was formed after an Oct. 6 shooting incident at Wohl Center at a national fraternity dance during which five non-WU students were wounded by gunfire from an unidentified source. Virgil had charged the committee "to make recommendations about general guidelines and procedural standards by which the administration acts upon student proposals for events involving significant attendance from the community."

The new guidelines propose that all applications and arrangements for scheduling social events on campus be made through the Scheduling Office of the Office of Campus Programming, directed by Richard Neil. They also provide for the creation of an advisory committee which will serve as an appellate board for applicants who have been denied the use of a facility by the programming director. The committee, responsible to the Associate Vice Chancellor for Student Affairs, will consist of six students and three faculty members or administrators.

The advisory committee will also be responsible for reviewing, evaluating and modifying existing policies concerning scheduling space for campus events at least once a year. It will maintain a file of current policies, facilities and regulations concerning these facilities.

The document also spells out policies for recognizing student groups, application procedures for use of campus facilities, criteria for approval and denial, and appeal processes. It provides information on security and maintenance services, and lists regulations on damage payments, compliance with laws, contracting with outside groups, and advertising and promotion. It lists policies for specific buildings, and contains sample forms.

Leon Ashford, Counseling Service and Office of Special Educational Services counselor who was chairman of the guidelines committee, said that "a great deal of time was spent examining the advantages and disadvantages of a non-recognition vs. a recognition policy with respect to student groups on campus." The committee decided to retain the existing policy, which in addition to recognizing sponsored, subsidized, and

(Continued on page 5)

Nat'l. Book Awards Face Extinction; WU Writer-Judges Comment on Value

By Dorothy Brockhoff

Last year it was a streaker who upstaged the winners at the National Book Awards ceremonies in New York; this April it was the precarious position of the awards themselves which threatened to overshadow the triumphs of the N.B.A. recipients. The crucial questions which preoccupied the literati who gathered in Lincoln Center's Avery Fisher Hall for this annual rite of spring, a tradition for some 26 years, were: Would the awards be scrapped and did anybody really care?

Two members of the writers' circle on campus, Professor Stanley Elkin and Mona Van Duyn, as judges of this year's competition, found themselves in the middle of the controversy; another, Professor William Gass, as a judge emeritus, (season of '73) was by no means a disinterested spectator.

Van Duyn, a '71 N.B.A. winner for her book of poems, *To See, To Take*, and Elkin, twice nominated for an N.B.A. in the fiction category, are N.B.A. supporters. Gass, a philosopher whom Elkin and many others of his peers, regard as one of the most gifted novelists writing today, is sharply critical.

Van Duyn, co-editor with her husband, Professor Jarvis Thurston, of a highly respected literary magazine, *Perspective*, is normally a rather retiring person who



Van Duyn

admits to stage fright, but she stood up in the New York audience and testified that "Winning the National Book Award changed my life." Back home a short time later, Van Duyn elaborated. "I am very disturbed at the idea that the N.B.A. may not go on. It seems that the publishers have withdrawn their support. They feel that they are putting a lot of money into the National Book Awards and that they are not making any money out of it. They need to understand that best selling books and best books have always been entirely different sets of books. They should donate some money to honor their best books."

Elkin, while admitting that he found it difficult to "say that one book is qualitatively better than, say, 300 others," stressed that "the book awards are marvelous for the individual writer." He added, "Being nominated twice has

changed my attitude toward my own work. It's a nice thing for a writer to be told 'you've done a good job' by people who supposedly know."

All three writers stressed that being an N.B.A. judge is not something to be taken lightly. They read voraciously. Van Duyn reports that she read 160 books of poems from cover



Gass

to cover; Elkin and Gass took their responsibilities no less seriously. Gass, however, is not sure all the effort was worth it. "It's a lot of work," he said. "You don't get paid anything, particularly. (Two hundred dollars plus expenses). You get books, most of which are schlock. If one felt that the process were worthwhile, ultimately, that wouldn't matter so much. I think it's silly. It is perfectly true that sometimes the awards go to the best book—or roughly, to the most worthwhile, at least. I think most of the time that's not the case of the literary awards. Proust wouldn't have had a chance."

Elkin was quick to disagree. "All I know is that I read 200 books. I am convinced that the best novel I read this year did get the award."

What was the book? Because the N.B.A. for fiction was split (something Elkin says he was responsible for despite N.B.A. committee objections), he is unwilling to say whether he preferred *Dog Soldiers* by Robert Stone or *The Hair of Harold Roux* by Thomas Williams.

Elkin did concede, that Gass was right in stressing that the "sales for extraordinary novels are miniscule." He pointed out that Walker Percy's N.B.A. winning novel *The Moviegoer* sold fewer than 5000 copies. He concluded in exasperation, "It's hard to read good fiction. Look, we live in a country that celebrates *Jonathan Livingston Seagull*."

We also live in a country, as a *Time* magazine commentator observed, "in which one minute of advertising on the Cher TV show costs around \$75,000. A guarantee of just about that much would keep the N.B.A. afloat for a full year," the *Time* writer concluded.

This year, Roger Stevens, chairman



Elkin

Employees

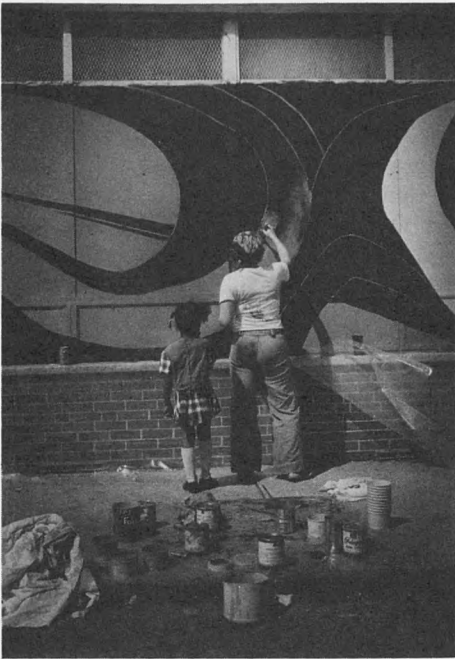
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Center. After a brief address by Chancellor William H. Danforth, certificates of recognition for years of service will be awarded to retiring Hilltop personnel by Joe Evans, Associate Vice Chancellor for Administrative Services, and to retiring Medical Campus staff by Dr. M. Kenton King, Dean of the School of Medicine. Following is a list of retirees with their years of service:

William P. Biehl, Maintenance, 4 years; James W. Boyle, Physics, 28 years; Willie Brock, Building Services, 9 years; Mary J. Chiaurro, Building Services, 24 years; Lora E. Cox, Building Services, 8 years; Martin A. Cummins, Maintenance, 26 years; Miriam C. Eggers, Bookstore, 11 years of service; Irene E. Flammger, Telephone Service, 10 years of service; Addie Hardy, Microbiology, 15 years; Jane Hisserich, Olin Library, 14 years; Emmett Hoffmann, Maintenance, 10 years; Emil C. Holecheck, Power Plant, 22 years; Herbert S. Jenkins, Food Service, 8 years; Dorothy B. Koene-man, Social Work Library, 24 years; Harold A. Koenig, Maintenance, 8 years; Clemence R. Kummer, Neurology, 13 years; Esther May Leggs, Ophthalmology, 19 years.

Homer Meadows, Building Services, 6 years; Nancy Mitchell, Office Asst., Vice Chancellor, 12 years; Rosie Mae Nettles, Pediatrics, 18 years; Dorothy Nichols, Development Office, 19 years; Edna Mae Quick, Radiology, 16 years; Henry Rancilio, Building Services, 18 years; Ina Belle Rasmus, Physics Library, 10 years; Henry Reed, Food Service, 18 years; Albert G. Rudder, Post Office, 5 years; Edna Mephram Russell, Law Library, 15 years; Harry L. Shaw, School of Engineering, 19 years; Robert W. Shaw, School of Engineering, 15 years; William A. Sloan, Maintenance, 9 years; Helena Ash Stark, Office of Law School Dean, 15 years; L. C. Swain, Building Services, 16 years; Irene T. Thiel, School of Dental Medicine, 44 years; Lawrence L. Washburn, Euclid Power Plant, 21 years; Ruth B. Weiss, Neurology, 12 years; William D. Simpson, Housing Office, 14 years.

of the committee on N.B.A. awards policy, personally guaranteed expenses. The night of the ceremonies he was forced to announce that he had been unable to find anyone else to pick up the tab next year. Perhaps William Cole, literary columnist for the *Saturday Review*, summed it up best when he wrote: "Parlous, that's the state of the National Book Awards, parlous."



Six School of Fine Arts students from one of Professor William Kohn's classes recently volunteered to brighten a drab wall at the Holy Guardian Angel School, 1019 S. 14th Street. Their efforts and talent produced a 92-foot rainbow-hued mural.

(Photo by Richard N. Levine)

WU Employees Honored For 25 Years of Service

The academic and non-academic employees listed below will be honored for 25 years of service to the University at a reception to be given by Dr. and Mrs. William H. Danforth, Saturday, June 21, at University House.

M. Harold Blumenfeld, professor of music; Shirley Bohl, administrative assistant, College of Arts and Sciences; James C. Brice, professor of earth sciences; Martin A. Cummins, painter, Maintenance Department; Dr. William H. Daughaday, professor of medicine; Ruth S. DeFabio, administrative secretary, Computing Facilities Data Processing Department; Charles L. Lapp, professor of marketing; Ralph P. Ryder, working foreman, Maintenance Department; Sterling Schoen, professor of management; Dr. Michel M. Ter-Pogossian, professor of radiation science in radiology; Jarvis A. Thurston, professor of English; Dr. Jean H. Thurston, associate professor of pediatrics; and Herbert Weitman, director of Photographic Services.

FOUR VISITING ARCHITECTS will be at the WU School of Architecture in the next academic year. In the fall Akira Ozawa, a Japanese architect, and Ted Seligson, of Kansas City, will come to campus. The spring visitors, partners in a London architecture firm, will be Trevor Danatt and Colin Dollimore.

Committee

(Continued from page 3)

fraternal organizations, permits non-sponsored or non-recognized groups to function on campus. No minimum number of members are required for these non-recognized groups and there are no requirements for faculty sponsors. The only requirement made of these groups is that they receive permission to use campus facilities from the Programming Office. Ashford said that the committee concluded that "a non-recognition policy seems to facilitate more social freedom, creativity, and the usage of space by small special interest groups. Furthermore, the non-recognition policy is consistent with the educational goals of Washington University."

Ashford also said that the committee discussed at length the criterion for approving activities and the types of events that were in the interest of the University community. The previous policy stated only that events be "primarily for the University community." Ashford said that the committee decided not to base the approval of space on a definite expected percentage of involvement on the part of the WU community, as many events held on the campus, such as Thurtene Carnival, and the Science Fair, draw more people from the St. Louis population than from WU. "The committee concluded that the decision as to whether an event is in the interest of the Washington University community will have to be made on an individual basis by the Scheduling Office of the Office of Campus Programming," Ashford said.

Associate Vice Chancellor Paul Smith said that one of the problems with the previous regulations governing scheduling of social events was that the policies were not followed consistently, and that many persons involved with scheduling facilities were not familiar with all of the procedures and guidelines. He suggested that all persons and organizations using University facilities be given a copy of the procedures after they receive final approval and implementation from Vice Chancellor Virgil.

Virgil said that "The recommendations seem to be very realistic and feasible. It was a tough job, and the committee issued a comprehensive, outstanding report. Their decision to continue the non-recognition policy is one that I support and is in keeping with the overall philosophy of the University. My staff is meeting to review the recommendations and will decide as expeditiously as possible how to implement the new procedures."

Szabo Appointed Greensfelder Prof.

Barna A. Szabo, professor of civil engineering at WU, has been appointed A. P. Greensfelder Professor of Engineering at the University. His appointment is effective July 1.

The A. P. Greensfelder professorship, established by Albert P. and Blanche Y. Greensfelder, was held by D. W. Ryckman from 1961 until his resignation from the University in 1970. The professorship has not been filled since that time.

Engineering Dean James McKelvey said that an advisory committee unanimously selected Szabo for the professorship. "He is an outstanding structural engineer and faculty member, and is most deserving of this recognition of his professional attainments."

A WU faculty member since 1968, Szabo obtained his bachelor's degree from the University of Toronto and his master's and Ph.D. degrees from the State University of New York at Buffalo. He is a member of the American Academy of Mechanics and the American Society of Civil Engineers.

Szabo is currently directing two major research projects. The first is the development of an advanced computer-aided stress analysis method under the sponsorship



of the U.S. Department of Transportation, the Association of American Railroads, AMCAR, and Pullman-Standard. The second project, conducted under contract with the Federal Railroad Administration, is concerned with improving the safety of railroad tank cars which carry hazardous materials.

A native St. Louisan, A.P. Greensfelder received his bachelor's degree in civil engineering from WU in 1901. He was associated with Fruin-Colnon, an engineering and contracting firm, from 1906 until his retirement in 1949, and subsequently served the firm as a construction consultant. An ardent conservationist, Greensfelder was instrumental in the development of Rockwoods Reservation, a wildlife preserve in West St. Louis County.

JOHN B. ERVIN, dean of the School of Continuing Education, addressed the 413 graduates of Soldan High School in commencement exercises held in Kiel Opera House Friday, May 30.



The WU rugby team demonstrates its prowess at a recent game in Forest Park. In the above photo, the Bears have just come out of a scrum (or scrimmage in football lingo), for possession of the ball.

(Photo by Herb Weitman)

ANNOUNCEMENTS

INDIVIDUALS interested in participating in the U.S. Savings Bonds-Payroll Savings Plan recently inaugurated at WU should contact the Personnel Office, ext. 4691. Merl M. Huntsinger, University treasurer, said that the plan offers several tax advantages as well as a good interest rate.

THE CAMPUS SHUTTLE BUS is on a new summer schedule until Aug. 1. The bus will leave Brookings Hall for the Medical School campus at quarter till and quarter after the hour, beginning at 7:45 a.m. The bus will leave the Medical School on the hour and half hour, with the last bus leaving for the main campus at 6:30 p.m. There will be no stop at Monsanto Laboratory during the summer.

INFORMATION on 1976-77 grants for graduate study and research abroad is now available in the International Office. Grants include those provided by the Fulbright-Hays Act and by foreign governments, universities and private donors. Deadline for application is Oct. 15. Applicants must be U.S. citizens at the time of application and in most cases must hold a bachelor's degree or its equivalent before the beginning date of the grant. For further information call Ken Rogers or Abbie Tom, ext. 4236.

FOUR WU FACULTY members (three from the School of Architecture and one from the School of Fine Arts), will deliver papers at The Third International Conference of the Design Methods Group, which will meet in Berkeley, Calif., from July 7-9. Participants and the titles of their papers are: Thomas L. Thompson, associate professor of architecture, "Treking Through a Participatory Wilderness: Procedural Traps in Design"; Hanno Weber, associate professor of architecture, "A Contextual Dwelling Cell Morphology: Discourse For Participation in Residential Design"; Weber, Michael Pyatok, assistant professor of architecture, and the WU Community Design Workshop, "A Playground: Participation in Design"; and Fern Tiger, assistant professor of art, "Toward An Interactive Art." Some 300 participants from 20 countries are expected to attend the parley.

THE INTERNATIONAL ASSOCIATION FOR PHILOSOPHY OF LAW AND SOCIAL PHILOSOPHY will hold its quadrennial World Congress in St. Louis thanks to the efforts of Gray L. Dorsey, Nagel Professor of Jurisprudence and International Law at WU's School of Law. The parley is scheduled to meet from Aug. 24-29 at Stouffers Riverfront Towers. Dorsey, who has been working for over three and one-half years to organize the Congress, is president of the American Section of the International Association and head of the organizing committee of this World Congress.

A SEVEN-VOLUME REPORT, "Lambert-St. Louis International Airport 1975-1995," commonly called "The Parsons Study," has been placed on deposit in the Urban Studies Collection of Olin Library (level two). It provides background information for public hearings on the subject to be held during the first week of June. The schedule of the hearings is: June 2, Hospitality Inn, Earth City; June 3, Holiday Inn, Collinsville, Ill.; June 4, Rodeway Inn, Jefferson and Market streets, St. Louis; June 5, Ramada Inn South, I-55 at Lindbergh.

THE UNCOMMON MARKET, a foreign food specialty shop located in the Stix International House on campus, will be open through the summer, Monday-Friday, 12-3 p.m. A non-profit organization run by volunteers from the WU Women's Society, the market features a variety of international foods including teas, cheeses, cold fruit juice, dried Japanese soups, cookies and biscuits, peas, beans and dahls. Proceeds go to the foreign student aid fund, which provides short-term emergency loans to international students at the University.

AN EXHIBIT of 33 volumes judged the "Most Notable Books of 1974" by the American Library Association will be displayed in Olin Library this summer. Included in the display is Annie Dillard's Pulitzer Prize-winning book, *Pilgrim at Tinker Creek*, Joseph Heller's *Something Happened*, and James Baldwin's *If Beale Street Could Talk*. All the books on view will be available in the library.

WALTER NORD, professor of organizational psychology at WU, will take a year's leave of absence to teach and do research at the University of British Columbia in Vancouver. His new appointment will begin on July 1. Nord has been on the faculty of the Business School since 1967, when he obtained a doctoral degree from the University.

PROFESSOR MITUHIKO ARAKI, Tokyo, Japan, will give a series of lectures on "Stability of Composite Systems" on campus July 21-24, sponsored by the Department of Systems Science and Mathematics. For details call ext. 4444 or 4540.

CENTRAL STORES is now carrying ball-point pens manufactured by the Great Western Industries, a minority firm owned principally by the Blackfeet Indian Tribe of Browning, Mont. The stock numbers of the pens are 2406A-2406H.

Law School Wing Near Completion

A new wing costing about \$1 million which is under construction at the Seeley G. Mudd Law Building should be completed by Aug. 1, Law School Dean Edward T. Foote said.

The wing will provide more space for faculty offices, expansion of the Eugene A. and Adlyne Freund Law Library and two new classrooms. The addition will increase the library's capacity from its present 140,000 books to 200,000 volumes.

The new law school was completed in 1971 with the expectation that expansion of the library would be necessary, Foote said. The architects left room beneath the tiered classrooms on the north (Millbrook) side for future expansion of the library. A grant of \$1.75 million from the Seeley G. Mudd Fund completed financing of the original building in 1971.

August Concerts To Culminate Lamhut Residency on Campus

The Phyllis Lamhut Dance Company will be in residence on campus for three weeks from July 14-August 2 to lead the third annual Summer Institute in Dance. Directed by Annelise Mertz, head of the University's Dance Division, the Dance Institute will offer three levels of technique, improvisation and choreography, in addition to some sessions in percussion, teaching principles and stage lighting.

Six units of graduate or undergraduate credit may be earned by enrolling in the Institute, which will be limited to about 60 participants with some previous experience. The Institute will close with a choreographed student production August 1 and 2 in Edison Theatre. A special workshop in modern dance for senior high school students with no previous experience will be offered during the same period from 8-10 a.m. and will be taught by members of the Lamhut Company.

For more information or to register, call the Summer School at ext. 4628.

The **WU Record** is published weekly during the academic year by the Office of Information, director, Roger Signor; editor, Kathy Pearson; contributing editors, Dorothy Brockhoff, King McElroy; calendar editor, Anne Hallett. Photographs by Herb Weitman, Rick Levine and Gail Cissna. Address all communications to the editor, Box 1142.

RECOGNITIONS

ANNELISE MERTZ, director of the WU Dance Division and associate professor of dance, will be a panelist at an American Dance Guild convention to be held on campus June 12-14. Mertz will discuss, "The Campuses: Education for Life and the Arts," at 1 p.m. Saturday, June 14 in Edison Theatre. Workshops, movement sessions, panel discussions and performances will be offered to convention registrants and (on a limited basis), to the community at large. For more information call the Edison Theatre box office, ext. 4113.

REBECCA KULPA, a WU freshman in the School of Engineering, has won the National Women's Intercollegiate Championship title for finishing first in an orienteering competition held at Yankee Springs State Park, near Kalamazoo, Mich. Orienteering is a running sport in which competitors use a compass and a contour map to find a course through the woods. A relatively new sport in America, orienteering is quite popular in western Europe. Major Robert DeFer, assistant professor of military science at WU, started a team at the University in January. Rebecca, one of about 20 team members, is a four-year Army ROTC scholarship winner.

PROFESSOR ROBERT SMITH of the School of Fine Arts has received a purchase award from the Ball State University Art Gallery in Muncie, Ind., for his animated drawing of peanuts, entitled "Gooberama." It was one of two works of art which he entered in the 21st Annual Drawing and Sculpture Show there. The exhibition runs through June 29.

JACK A. KIRKLAND, director of Black Studies, and Marcella Howell, instructor in Black Studies, have been awarded faculty research grants to study in Africa this summer. They will conduct in-depth research of the utilization and distribution of resources on the continent.

HAZEL Z. SPRANDEL, counseling psychologist with the Counseling Service and with Special Educational Services, was presented a plaque by the St. Louis Personnel and Guidance Association in "recognition of meritorious service to the profession and the community."

NEWS BRIEFS

JAMES H. LAUE, associate professor of sociology at WU, will discuss the role of the churches in bringing the Ohio National Guard and state officials to trial in connection with the Kent State killings at 10:30 a.m. Sunday, June 8, on KSD-TV (channel 5). The program will be rebroadcast at 6 a.m. Thursday, June 12. Laue has also been appointed to a four-year term on the Mental Health Services Research Review Committee at the National Institute of Mental Health. The committee reviews all research in connection with the operation of the more than 500 federally funded community mental health centers throughout the United States.

THE INSTITUTE OF ADVERTISING, an educational seminar co-sponsored this spring on campus by Washington University and the Advertising Club of Greater St. Louis, was selected as a second-place winner in the American Advertising Federation's National Club Achievement Award Competition Sunday, June 1, in Washington, D.C. WU School of Business marketing professor Martin L. Bell was instrumental in planning the institute; Francis J. Connelly, assistant professor of marketing, served as moderator for the 13-week session.

DAVID FINE, a 1974 WU graduate in Urban Studies, has received a Letter of Commendation from the National Trust for Historic Preservation for a report on Honolulu's Chinatown. Fine's report describes a set of legal controls to carry out historic preservation in the Chinatown area, which has many historic associations.

Job Prospects Excellent For Engineering Graduates

An increased demand for engineers, primarily in the chemical and petroleum industries, has resulted in a favorable job market for graduating seniors in engineering. H. Boulter Kelsey, Jr., assistant dean of the WU School of Engineering and Applied Science, reported 100 per cent placement of students with bachelor of science degrees who responded to a survey by the school. At this printing, 41 seniors had accepted jobs, 34 had entered graduate schools and 2 were considering job offers. Thirteen had not responded to the survey, but Kelsey said it was virtually certain that they had jobs, "otherwise we invariably hear from them, if they have trouble." All students with graduate degrees who have worked through engineering placement this year have found jobs.

Calendar

June 5-August 31

THURSDAY, JUNE 5

4 p.m. Eighth Evarts A. Graham Visiting Professor of Surgery Lecture, "Cardiac Surgery Prior to the Development of Cardiopulmonary By-Pass," Lord Russell Brock, director, Department of Surgical Services, The Royal College of Surgeons of England, London. Sponsored by School of Medicine Department of Surgery. Clopton Amphitheatre.

MONDAY, JUNE 16

10 a.m. Department of Systems Science and Mathematics Seminar Lecture, by Professor Mark Davis, Department of Computing and Control, Imperial College, London, England. 100 Cupples II.

THURSDAY, JUNE 19

10 a.m. Department of Systems Science and Mathematics Lecture, "Introduction to Basic Concepts Relating to Martingales," Professor Jan Van Schuppen, WU Department of Systems Science and Mathematics. 100 Cupples II. Also June 20 at 10 a.m.

MONDAY, JUNE 23

10 a.m. Department of Systems Science and Mathematics Lecture, "Martingale Techniques in Control Theory," Professor Pravin P. Varaiya, University of California-Berkeley. 100 Cupples II. (First in series of daily lectures by Visiting Professor Varaiya)

2 p.m. Department of Systems Science and Mathematics Seminar Lecture, "Non-linear Prediction and White Noise Analysis," Professor Takeyuki Hida, Department of Mathematics, Nagoya University, Nagoya, Japan. 100 Cupples II. Also June 24 at 2 p.m.

TUESDAY, JUNE 24

10 a.m. Department of Systems Science and Mathematics Lecture, "Adaptive Techniques in Control (Self-Tuning Regulators and Stochastic Approximation)," Professor Varaiya. 100 Cupples II. Also June 25 and June 26 at 10 a.m.

FRIDAY, JUNE 27

10 a.m. Department of Systems Science and Mathematics Lecture, "Economic Equilibria and Stochastic Adjustment Processes," Professor Varaiya. 100 Cupples II.

MUSIC

SUNDAY, JUNE 8

8 p.m. Classical Guitar Concert, with Michael Lorimer, professor of guitar at the University of California-Berkeley and the San Francisco Conservatory of Music, including works by Roncalli, Bach, Turina, and Villa-Lobos. General admission \$3, students \$1.50. Edison Theatre.

MONDAY, JUNE 9

7:30 p.m. St. Louis String Quartet Concert, on the lawn near Graham Chapel (inside in event of rain). Also Monday, June 16.

FRIDAY, JUNE 20

8:45 p.m. The Little Symphony Concert, with Amerigo Marino, conductor, and Donna Turner Smith, pianist, playing music of Bach, Schubert, and Schuman. Admission \$2.50 chair, \$1.75 grass; five-concert season admission \$11 chair, \$7.50 grass. Beaumont Pavilion.



Michael Lorimer, classical guitarist who studied under Andres Segovia, will appear in concert at Edison Theatre on Sunday, June 8, at 8 p.m.

Quadrangle. Also June 27, July 3, July 11, and July 18. For more information on concert programs, call Mrs. Franck, 567-3124.

FRIDAY, AUGUST 8

8:30 p.m. Gateway Orchestra Concert with William Schatzkamer, conductor. Beaumont Pavilion, Quadrangle. Also August 15.

EXHIBITIONS

Isidore Silver: Scholar and Teacher, an exhibit of books and manuscripts in his honor. Olin Library, level five. Monday-Friday, 9 a.m.-5 p.m. Through August.

American Library Association Notable Books for 1974 Exhibit, featuring 33 volumes including Annie Dillard's *Pilgrim at Tinker Creek*, Joseph Heller's *Something Happened* and James Baldwin's *If Beale Street Could Talk*. Olin Library, level three. Through August.

De Kooning Drawings and Sculptures, an exhibition organized by the Walker Art Center, Minneapolis, made possible by a grant from the Camelot Fund of the Arts and Education Council of St. Louis. Monday-Friday 9 a.m.-5 p.m.; Saturday 10 a.m.-4 p.m.; Sunday 1-5 p.m. Steinberg Hall. Through June 29.

Hans Hoffmann: Colorist in Black and White, an exhibition. Steinberg Hall. July 15-August 15.

Selections from the Washington University Collection, an exhibition. Steinberg Hall. August 15-mid September.

PERFORMING ARTS AREA

THURSDAY, JUNE 12

5:15 p.m. Dance Concert on the Lawn, by members of Somedancers, Inc., from Urbana, Ill., as part of American Dance Guild Convention on campus June 12-14. Near Wohl Center.

SATURDAY, JULY 19

8 p.m. Phyllis Lamhut Dance Company Performance, as feature of three-week residency for Summer Institute in Dance. General admission \$4.50; WU faculty/staff \$3.50; student \$2. Edison Theatre. Also July 20 at 8 p.m.

FRIDAY, AUGUST 1

8 p.m. Summer Institute in Dance Concert, with participants in workshop performing. Edison Theatre. Also August 2 at 8 p.m.

FILMS

THURSDAY, JUNE 12

7:30 p.m. Summer Film Series, "Lion in Winter," with Kathryn Hepburn and Peter O'Toole.

MONDAY, JUNE 16

7:30 p.m. Summer Film Series, "Cactus Flower," with Walter Matthau, Goldie Hawn and Ingrid Bergman.

THURSDAY, JUNE 19

7:30 p.m. Summer Film Series, "A Star Is Born," with Judy Garland, James Mason, Jack Carson and Charles Bickford.

MONDAY, JUNE 23

7:30 p.m. Summer Film Series, "The Winslow Boy," with Sir Cedric Hardwick, Margaret Leighton and Robert Donat.

THURSDAY, JUNE 26

7:30 p.m. Summer Film Series, "Pete 'n' Tillie," with Walter Matthau and Carol Burnett.

MONDAY, JUNE 30

7:30 p.m. Summer Film Series, "Great Expectations," with John Mills, Alec Guinness, Jean Simmons, Finlay Curry and Valerie Hobson.

MONDAY, JULY 7

7:30 p.m. Summer Film Series, "Rebecca," with Laurence Olivier and Joan Fontaine.

MONDAY, JULY 14

7:30 p.m. Summer Film Series, "Mary Queen of Scots," with Vanessa Redgrave, Glenda Jackson and Patrick McGeehan.

THURSDAY, JULY 17

7:30 p.m. Summer Film Series, "The Producers," with Zero Mostel, Dick Shawn and Gene Wilder.

MONDAY, JULY 21

7:30 p.m. Summer Film Series, "Spellbound," with Ingrid Bergman and Gregory Peck.

THURSDAY, JULY 24

7:30 p.m. Summer Film Series, "Lost Horizon," with Jane Wyatt, Ronald Coleman, Thomas Mitchell and Sam Jaffe.

MONDAY, JULY 28

7:30 p.m. Summer Film Series, "Pal Joey," with Frank Sinatra, Rita Hayworth and Kim Novak.

MONDAY, AUGUST 4

7:30 p.m. Summer Film Series, "Picnic," with Kim Novak, Rosalind Russell and William Holden.

THURSDAY, AUGUST 7

7:30 p.m. Summer Film Series, "Yellow Submarine," with the Beatles.
Note: All films will be shown in 213 Rebstock-Free.

SPORTS

SUNDAY, JUNE 8

7:30 p.m. Soccer, St. Louis Stars vs. Chicago. Admission center section 3.50 adult, \$2.50 student; terrace \$2.50 adult, \$1.50 student. Francis Field. Games also scheduled June 21, June 29, July 12, July 19, July 21, July 26 and August 2. For more information call 726-2777.